

Environmental Design Program

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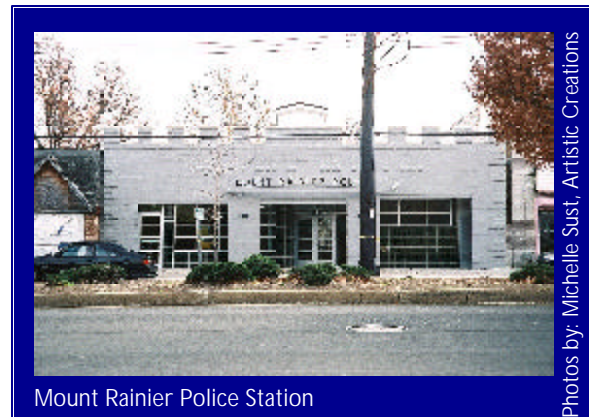


Maryland Department of Natural Resources
C. Ronald Franks, Secretary
www.dnr.state.md.us

Mount Rainier Police Station

By converting a dusty, dingy car repair shop, the City of Mount Rainier now has an environmentally-friendly new home for its police department. Rather than needlessly demolishing the run-down building, city leaders seized upon an opportunity to relocate the police department in a way that addresses blight, helps to revitalize business, and protects the environment.

The City of Mount Rainier saw the project as a chance to lead-by-example in green design. The new facility conserves energy and water, uses sustainable materials, and ensures high indoor air quality, which provides benefits for building occupants, the Chesapeake Bay, and climate protection. In addition, the new station, together with a new traffic circle, attracted a \$12 million block-long artist housing project. Mayor Bryan Knedler asserts, "The green design will cut energy utility bills by 50%, which is good for the budget and the environment. I'm also thrilled by the attractive building interior, which is good for police staff morale."



Photos by: Michelle Sust, Artistic Creations

Mount Rainier Police Station

Project Information

6,000 gross sq/ft renovated facility

Architects: Jill Schick and Howard Goldstein
202-232-8135

Design Expert: John Spears,
Sustainable Design Group
301-428-1040

City Manager: Jeannelle Wallace
301-985-6585

Constructed at Budget: \$1.7 million

Duration: 6 years

LEED Rating: Aims to achieve Gold Certification

http://mtrainierfol.org/roundabout_collection/new_pd.html



ENERGY, WATER & RESOURCES

- Design will cut energy bills by 50%
- Daylighting main corridor reduces energy needs
- Ground-source heat pump
- Energy efficient windows
- High efficiency artificial lights

INDOOR ENVIRONMENTAL QUALITY

- Paint – Low VOC
- Natural daylight enhances the quality of the space

SUSTAINABLE MATERIALS & CONSTRUCTION

- Linoleum Flooring – Manufactured with all natural based products including linseed oil, rosin and cork
- Certified Lumber – Forestry Stewardship Council

RECYCLING & DECONSTRUCTION

- Wood Paneling made with recycled sunflower seeds
- Lobby and outside entry floor tile – Manufactured with 50% recycled automobile windshield
- Carpet – Manufactured with 100% recycled carpet-backing material
- Purchased refurbished furniture, thereby saving resources and money



Working in partnership to advance the application of economically sound and environmentally sensitive building and site-design techniques, this Case Study was developed by the City of Mount Rainier and the Environmental Design Program. For more information, please contact us at 410.260.8710 or www.dnr.state.md.us/ed.